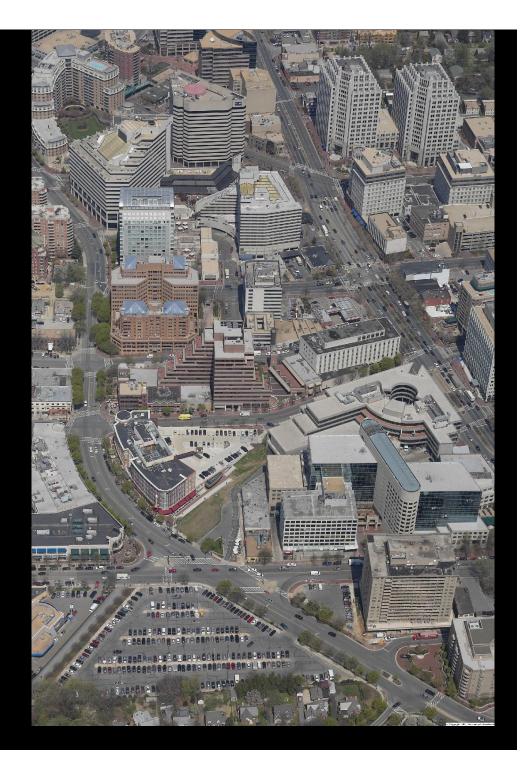
Land Use and Transportation





Key Factors in Understanding Land Use and Transportation (Checks & Balances)

- Mobility vs. Accessibility
- Urban Economics
- Comprehensive Planning / Zoning
- Urban Design

Performance Measures: Change Perspective

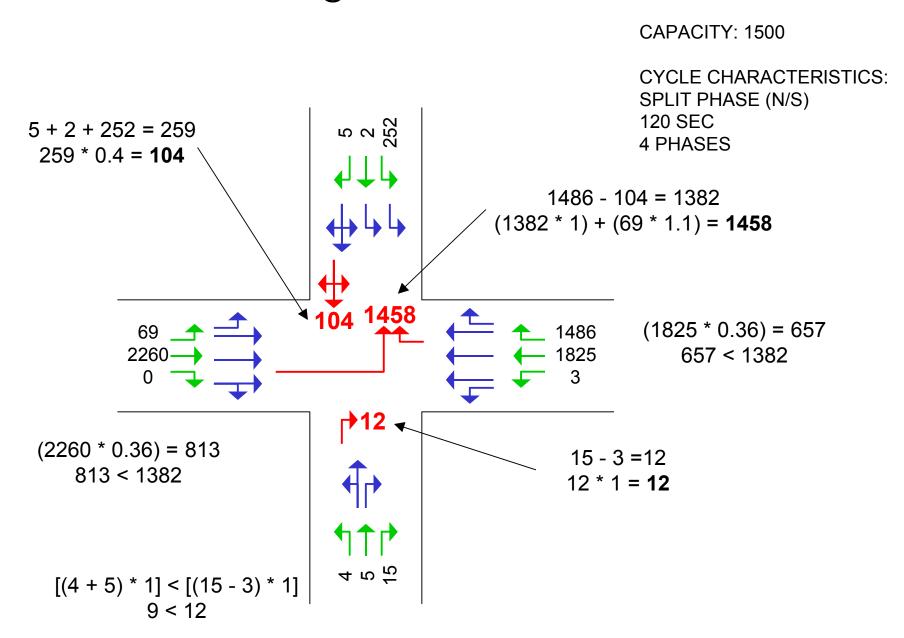
Mobility:

Ability to move between point A and point B

Accessibility

Number of opportunities, also called activity sites, available within a certain distance or travel time

#10 WEST MONTGOMERY AVE @ RESEARCH BLVD / CROFTON HILL LN





LOS A

LOS B

ROADWAY LEVEL OF SERVICE (LOS)



LOS C

LOSE



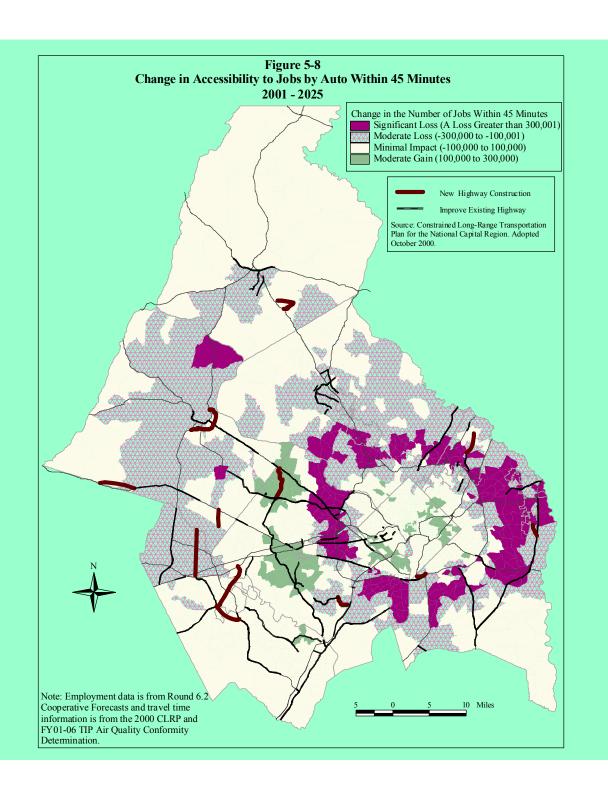


LOS D



LOS F!



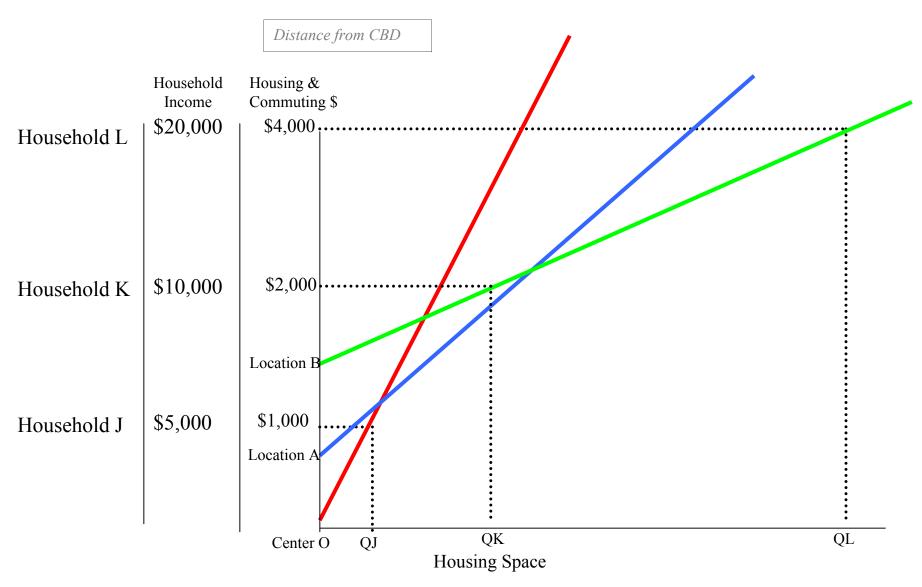




- An additional 2,240 Residential Units are within a **15-minute** walk.
- The rate of density increases outward from the 5 minute ring, with greater density in the 10 and 15-minute rings.

Key Factors in Understanding Land Use and Transportation

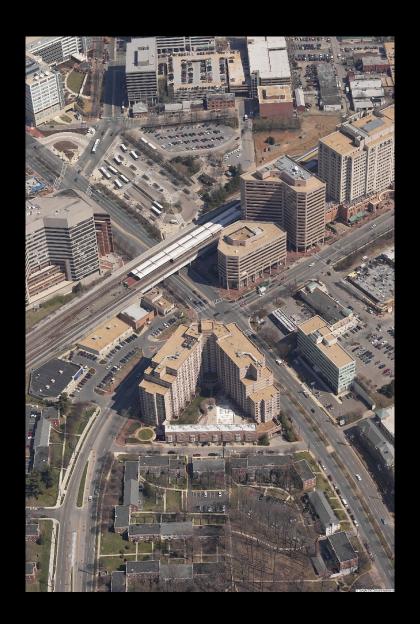
• Urban Economics



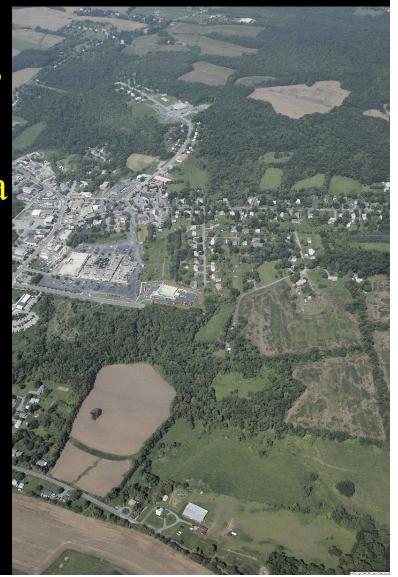
Income, Commuting Cost, Housing Consumption, & Location Choice

- Why are there high rise buildings in urban cores?

- Why aren't there high rises in rural areas?



- What makes Pittsburgh special, but Wheeling of low value?
- Why is Tysons Corner such a hot commercial center?

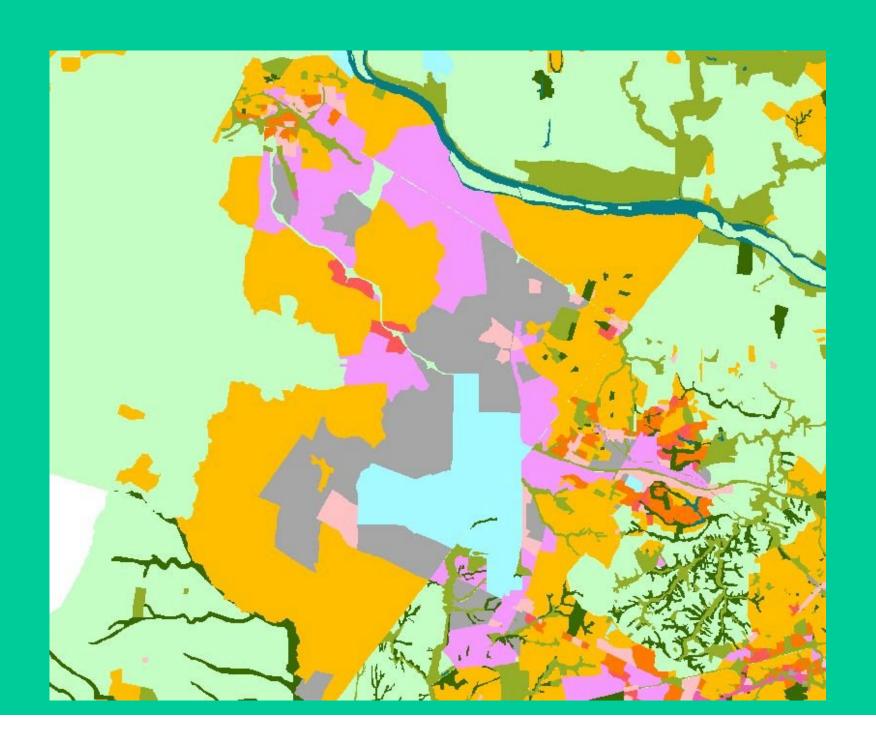


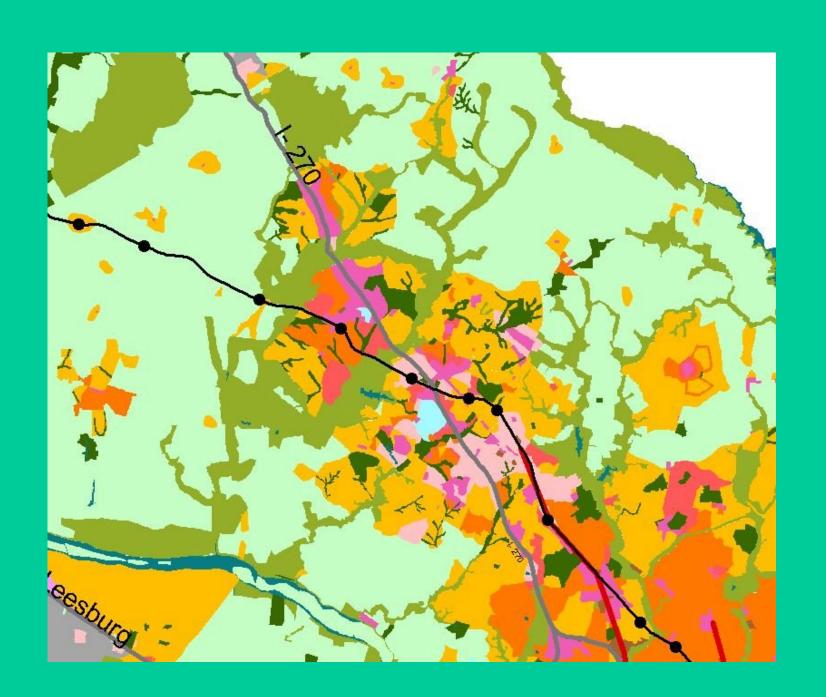
Key Factors in Understanding Land Use and Transportation

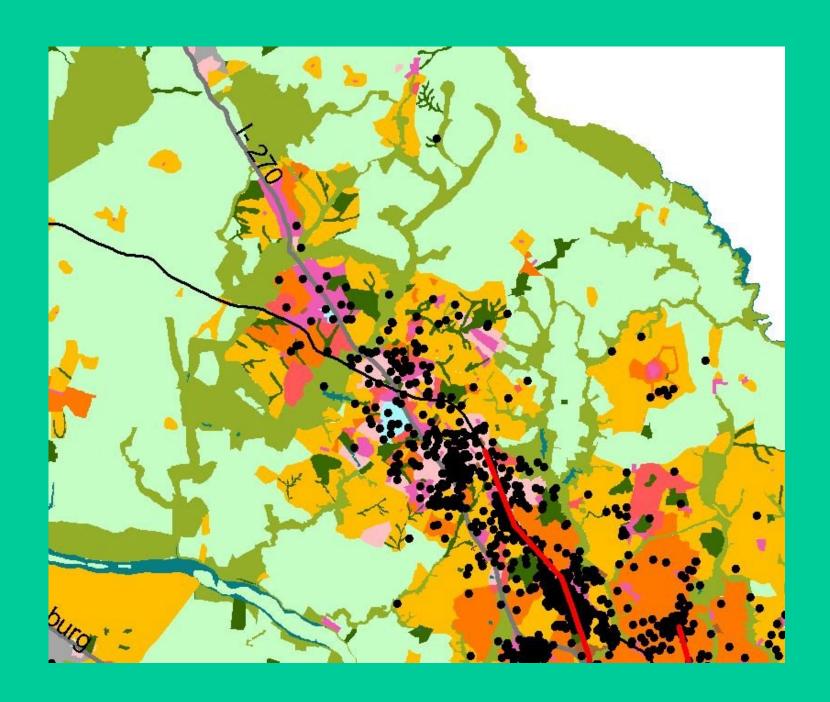
• Comprehensive Planning / Zoning











Key Factors in Understanding Land Use and Transportation

Urban Design

Tysons Corner has density, but not the urban design



Site Organization

Building Placement

Buildings parallel to street and at consistent set back provide well-defined edge

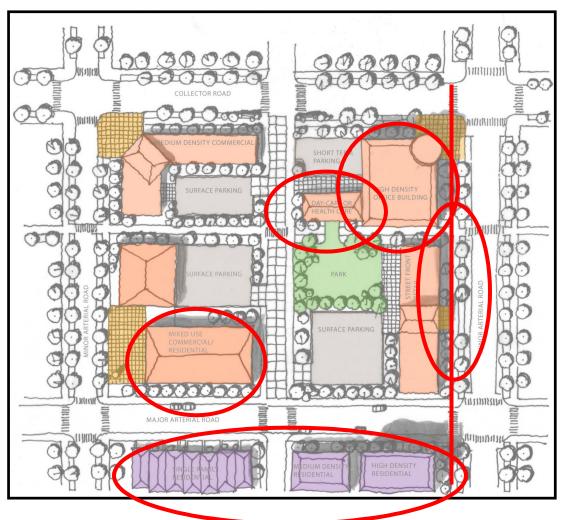
Street front uses animate sidewalk

Ancillary uses located closest to potential users

Highest density uses located close to intersections

Mixed-use development provides transition from commercial to residential

Nearby residential uses allow people to live near work



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